

Title (en)

Transmission line monitoring apparatus for use in a fire alarm system

Title (de)

Übertragungsleitung-Überwachungsvorrichtung zur Anwendung in einem Feueralarmsystem

Title (fr)

Appareil de surveillance de ligne de transmission pour l'utilisation dans un système d'alarme d'incendie

Publication

EP 0697684 B1 20000112 (EN)

Application

EP 95112571 A 19950810

Priority

JP 19432194 A 19940818

Abstract (en)

[origin: EP0697684A1] A transmission line-monitoring apparatus which is able to detect the occurrence of a short circuit even when a line has a large resistance and also to speedily disconnect the short-circuited transmission line upon detection of a short circuit. When a short circuit occurs between branched transmission lines (52, 62) on the output side (82) of the apparatus, a short-circuit detection circuit contained in the transmission-line monitoring apparatus detects this short circuit so as to send a short-circuit detection signal to a line-disconnecting control circuit. Then, the control circuit is operated so as to cause a constant current circuit to interrupt the supply of a base current to a transistor, thereby disconnecting a short-circuited output (82, 92) branched transmission line from a corresponding input (52, 62) branched transmission line. <MATH>

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